

## EAST Search History

S48	270	pacetti.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/17 09:27
S49	216	S48 and @py>"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:28
S50	43	S49 and (mandrel\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 11:30
S51	2	"6214115".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/17 11:30
S52	1	"10817393"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 15:02
S53	1	"5628786".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 15:17
S54	3192402	(mandrel or mandrell or mandril or mandrill or support\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 15:18
S55	621	427/2.24.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 15:18
S56	295	S54 and S55	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 15:19
S57	139	S56 and (vacuum or (suction adj force) or (negative adj pressure))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 16:05
S58	6	S57 and ((mandrel\$1 or mandril\$1 ) near5 (hole\$1 or pore\$1 or recess\$1))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 15:23
S59	84	S57 and @py<"2003"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/05 16:05
S60	3192402	(mandrel or mandrell or mandril or mandrill or support\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:39
S61	621	427/2.24.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:39

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S62	295	S60 and S61	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:39
S63	139	S62 and (vacuum or (suction adj force) or (negative adj pressure))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:39
S64	6	S63 and ((mandrel\$1 or mandril\$1 ) near5 (hole\$1 or pore\$1 or recess\$1))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:41
S65	57	S63 and rotat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:40
S66	35	S65 and (hole\$1 or pore\$1 or recess\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:48
S67	3	"09858865"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:48
S68	1	"6764720".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:55
S69	4	"10254203"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:56
S70	237	kerrigan.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:56
S71	2	S70 and "10254203"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 08:57
S72	6	"254203".ap.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 09:24
S73	6	"896000".ap.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 09:26
S74	1	"6126686".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 09:39
S75	1	"5628786".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 09:42
S76	1	"6521284".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 10:20

## EAST Search History

S77	1	"6605154".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 10:20
S78	6	"254203".ap.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/06 13:01